

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to a soundproof panel, and in particular to a smart panel for decreasing a noise in a wide band. The smart panel according to the present invention includes a board structure for decreasing a noise of an audible frequency band, a sound absorption member attached to one surface of the board structure for decreasing the noise of an audible frequency band, and a piezoelectric noise attached to the board structure for decreasing the noise when the same audible frequency as the resonance frequency of the board structure is propagated for thereby maximizing the insertion loss in the resonance frequency of the board structure.